

ABSTRACT FOR DE 19909944

L1 ANSWER 1 OF 1 WPIX COPYRIGHT 2001 DERWENT INFORMATION LTD

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DNN N2000-011472 DNC C2000-003155

TI Powder clear paint coating for automobiles.

DC A14 A82 G02 P42

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PA (HERK) HERBERTS GMBH & CO KG

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AB DE 19909944 A UPAB: 20000112

NOVELTY - A powder clear paint coating for (clear) paint, with high gloss and good chemical and weathering resistance for automobiles and parts, includes a binder comprising glycidyl (meth)acrylate copolymer(s) including styrene, methyl methacrylate, methacrylate with alicyclic 5-12C alkyl group and further comonomer.

DETAILED DESCRIPTION - A powder clear paint coating comprises
(A) a binder comprising a glycidyl (meth)acrylate copolymer(s) comprising 20-50 wt.% glycidyl (meth)acrylate (G(M)A), 1-20 wt.% styrene, 0-40 wt.% methyl methacrylate (MMA), 20-79 wt.% methacrylate(s) from methacrylates with alicyclic 5-12C alkyl groups and 0-20 wt.% further comonomers; optionally

(B) an epoxy-functional binder(s); and

(C) a curing agent comprising a compound(s) with at least 2 carboxy-functional groups per mol.

The ratio of epoxy groups in (A) to free and/or latent anhydride-bonded carboxyl groups of (C) is 1.5:1-1:1.5.

INDEPENDENT CLAIMS are also included for

(1) the preparation of multi-layer paints by applying the above coating to a substrate; and

(2) the obtained coated substrate.

USE - For multi-layer and clear paints, particularly for body work and parts and in the automobile industry (all claimed).

ADVANTAGE - The paint layers have high gloss and good chemical and weathering resistance.

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